METHOD, SYSTEM, PROGRAM, AND DATA STRUCTURE FOR IMPLEMENTING A LOCKING MECHANISM FOR A SHARED RESOURCE

ABSTRACT

Provided are a method, system, program, and data structure for implementing a
locking mechanism to control access to a shared resource. A request is received to access
the shared resource. A determination is made of whether a first file has a first name.
The first file is renamed to a second name if the first file has the first name. A second file
is updated to indicate the received request in a queue of requests to the shared resource if
the first file is renamed to the second name. An ordering of the requests in the queue is
used to determine whether access to the shared resource is granted to the request. The
first file is renamed to the first name after the second file is updated.